



PATENT

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method of supporting development of a phone application code for a computer based phone application platform having a network interface and a telephone interface, the method comprising:

receiving the phone application code over the network interface from a remote computer via a development platform web server and using a web protocol ~~the phone application code and a plurality of selectable types of debugging events usable in a call flow;~~

~~selecting one or more types of debugging events;~~

associating the phone application code with a telephone number for communicating with the telephone interface; and

responsive to receiving a telephone call via the telephone number,

executing the phone application code; and

presenting an audio output over the telephone interface; and

presenting the a call flow to the remote computer over the network interface using the selected types of debugging events via the development platform web server and using the web protocol, the call flow tracking a flow of execution for a phone call.

2. (Previously Amended) The method of claim 1, wherein the call flow shows a flow of program control in the phone application code during the telephone call.

3. (Currently Amended) The method of claim 1,  
further including receiving a plurality of selectable types of debugging events usable in the call flow, wherein types of

debugging events include errors, a general flow trace, an event trace, a field fill trace, a variables trace, and, optionally, a custom trace.

4. (Previously Amended) The method of claim 1, wherein the call flow is concurrent with execution of phone application code on the computer based phone application platform.

5. (Original) The method of claim 1, wherein the receiving comprises receiving an HTTP request including form data, the form data comprising the phone application code.

6. (Original) The method of claim 1, wherein the computer based phone application platform operated by a first legal entity and wherein the remote computer operated by a second legal entity different from the first legal entity.

7. (Currently Amended) A method of supporting development of a phone application code for a computer based phone application platform having a network interface and a telephone interface, the method comprising:

receiving the phone application code over the network interface from a remote computer via a development platform web server and using HTTP ~~the phone application code and a plurality of selectable types of debugging events usable in a call flow;~~

~~selecting one or more types of debugging events;~~

associating the phone application code with a telephone number for communicating with the telephone interface; and

responsive to receiving a telephone call via the telephone number,

executing the phone application code; and

presenting an audio output over the telephone interface; and

presenting ~~the a~~ call flow to the remote computer over the network interface, ~~the call flow tracking a flow of execution for a phone call using the selected types of debugging events.~~

8. (Currently Amended) The method of claim 7, further including receiving a plurality of selectable types of debugging events usable in the call flow, wherein selected types of debugging events can include a general flow trace, an event trace, a field fill trace, a variables trace, and, optionally, a custom trace.

9. (Original) The method of claim 7, wherein the remote computer does not include specialized phone application development software.

10. (Currently Amended) A method of supporting development of a phone application code for a computer based phone application platform having a network interface and a telephone interface, the method comprising:

~~receiving a reference to the phone application code over the network interface from a remote computer via a development platform web server and using a web protocol a reference to the phone application code and a plurality of selectable types of debugging events usable in a call flow;~~

~~selecting one or more types of debugging events;~~

associating the phone application code with a telephone number for communicating with the telephone interface using the reference; and

responsive to receiving a telephone call via the telephone number,

executing the phone application code; and  
presenting an audio output over the telephone interface; and

presenting a the call flow to the remote computer over the network interface via the development platform web server and using the web protocol, the call flow tracking a flow of execution for a phone call using the selected types of debugging events.

11. (Original) The method of claim 10, wherein the reference comprises a uniform resource locator (URI)

12. (Original) The method of claim 10, wherein the executing further comprises retrieving the phone application code from the reference over the network interface.

13. (Currently Amended) The method of claim 10, wherein the call flow is concurrent with execution of phone application code on the computer based phone application platform.

14. (Original) The method of claim 10, wherein the computer based phone application platform operated by a first legal entity and wherein the remote computer operated by a second legal entity different from the first legal entity.

15. (Currently Amended) A method of supporting remotely hosted phone application development for a phone application platform using a first computer system, the first computer system supporting a web interface, the method comprising:

receiving over the web interface a uniform resource identifier (URI) from a second computer system, the URI corresponding to ~~a the~~ location of a phone application, and a plurality of selectable types of debugging events usable in a call flow;

~~selecting one or more types of debugging events,~~  
responsive to the receiving the URI, sending a first message to the phone application platform using the first computer system, the first message corresponding to a request to make the phone application located at the URI available on the phone application platform at a telephone number; and

upon receiving a request from the second computer system on the first computer system, presenting to the second computer a debugging information generated by calls to the telephone number for the phone application on the phone application platform, wherein the debugging information includes a flow of execution for the calls ~~conforms to the selected types of debugging events.~~

16. (Previously Amended) The method of claim 15, further comprising sending a second message to the second computer system, the second message indicating the telephone number for accessing the phone application on the phone application platform.

17. (Previously Amended) The method of claim 15, wherein the presenting occurs concurrently with execution of the phone application on the phone application platform.

18. (Original) The method of claim 15, wherein the presenting provides the debugging information in an extensible markup language (XML).

19. (Previously Amended) The method of claim 15, wherein the presenting is capable of selecting the debugging information for a particular ongoing execution of the phone application on the phone application at form.

20. (Previously Amended) The method of claim 15, wherein the presenting is capable of selecting the debugging information for all ongoing executions of the phone application on the phone application platform.

21. (Previously Amended) The method of claim 15, further comprising a web interface for selecting the types of debugging events.

22. (Previously Amended) The method of claim 21, wherein the types of debugging events can comprise debugging output from phone application states, phone application events, phone application field fills, phone application variables, and custom debugging messages.

23. (Previously Amended) The method of claim 15, wherein the debugging information in the XML comprises a hypertext markup language with color coded messages, and wherein different colors are used for different types of debugging events.

24. (Original) The method of claim 15, wherein responsive to the sending the first message, the phone application platform configured to retrieve and execute the phone application at the URI responsive to a call to the telephone number.

25. (Previously Amended) The method of claim 24, wherein the phone application platform is configured to execute the phone application responsive to receipt of an identifier at start of a call to the telephone number.

26. (Previously Amended) The method of claim 24, wherein the phone application is provided by a developer having a corresponding identifier, and wherein the phone application platform is configured to execute the phone application responsive to receipt of the identifier at start of a call to the telephone number.

27. (Original) The method of claim 15, wherein the phone application comprises an application written in an XML-based voice application language.

28. (Currently Amended) An apparatus for developing a phone application code, the apparatus comprising:

a network interface for receiving a reference to the phone application code, the network interface using a web protocol and a plurality of selectable types of debugging events usable in a call flow;

a telephone interface to send and receive audio signals to and from a the telephone; and

a control subsystem to control the network interface and the telephone interface, the control subsystem including at least one program for

receiving a reference to the phone application code over the network interface from a remote computer using the web protocol ~~a reference to the phone application code;~~

associating the phone application code with a telephone number for communicating with the telephone interface using the reference, and

responsive to receiving a telephone call via the telephone number, executing the phone application code, and presenting an audio output over the telephone interface, and presenting a ~~the~~ call flow to the remote computer over the network interface, the call flow tracking a flow of execution for the telephone call using the selected types of debugging events.

29. (Currently Amended) An apparatus for remotely hosted phone application development, the apparatus comprising:

means for receiving over a web interface a uniform resource identifier (URI) from a computer system, the URI corresponding to the location of a phone application;

~~means for receiving over the web interface a plurality of selectable types of debugging events usable in a call flow;~~

~~means for selecting over the web interface one or more types of debugging events usable in a call flow;~~

means for sending a first message to a phone application platform responsive to the receiving the URI, the first message corresponding to a request to make the phone application located at the URI available on the phone application platform at a telephone number; and

means for presenting to the second computer a ~~the~~ call flow generated by calls to the telephone number for the phone application on the phone application platform upon receiving a request from the computer system, the call flow tracking a flow of execution for the calls conforming to the selected types of debugging events.